

BIBLIOGRAPHICAL RECORD.

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NECROLOGY FOR 1879.

ADDITIONAL TO REC., 1501-1518, 1555 AND 2125-2142.

Boisduval, Jean Baptiste Alphonse Déchauffoir. [Biog. sketch.] (Annuaire entom. . . Fauvel, 1880, p. 118-119.)

OBERTHUR, C: Notice nécrologique sur le docteur Boisduval. (Annal. soc. entom. France, 1880, s. 5, v. 10, trim. 2, p. 129-138.) [See Rec., 2127.] *G: D.* (2648)

Chapuis, Félicien. [Biog. sketch.] (Annuaire entom. . . Fauvel, 1880, p. 119-120.) [See Rec., 1503.] *G: D.* (2649)

Chenu, Jean C: [Biog. note.] (Amer. nat., Feb. 1880, v. 14, p. 151.) [See Rec., 1505 and 2129.] *G: D.* (2650)

Fritsch, K: [Biog. note.] (Entom. Nachrichten, 15 Jan. 1880, jahrg. 6, p. 18.) [See Rec., 2132.] *G: D.* (2651)

Goureau, Claude C: [Biog. sketch.] (Annuaire entom. . . Fauvel, 1880, p. 120-121.) [See Rec., 2133.] *G: D.* (2652)

Mocquerys, Simon. [Biog. sketch.] (Annuaire entom. . . Fauvel, 1880, p. 121-122.) Coleopterist; b. in Troyes, France, in 1792; d. in Rouen, France, 12 Feb. 1879. *G: D.* (2653)

NECROLOGY FOR 1880.

ADDITIONAL TO REC., 2143-2168.

DE Saulcy, L: Félix Joseph Caignart. [Biog. notices.] (Zool. Anzeiger, 11 July 1881, jahrg. 4, p. 364.) (Entom. Nachrichten, 1 Aug. 1881, jahrg. 7, p. 232.)

REICHE, L: Notice biographique sur Félix de Saulcy. (Annal. soc. entom. France, s. 5, v. 10, trim. 4, p. 413-416.) Coleopterist; d. 4 Nov. 1880, in Paris. *G: D.* (2654)

Smith, G: Dole. [Biog. sketch.] (Psyche, April [18 Aug.] 1881, v. 3, p. 199.) [Biog. notices.] (Zool. Anzeiger, 17 Oct. 1881, jahrg. 4, p. 532.) (Naturae novitates, Nov. 1881, no. 22, p. 183.)

Coleopterist; b. 4 Sept. 1833, in Biddeford, Me.; d. 6 July 1880, in Cambridge, Mass. [See Rec., 2164.] *G: D.* (2655)

NECROLOGY FOR 1881.

Blackwall, J: [Biog. notices.] (Entom. Nachrichten, 15 June 1881, jahrg. 7, p. 188.) (Zool. Anzeiger, 27 June 1881, jahrg. 4, p. 340.) (Naturae novitates, June 1881, no. 11, p. 95.) (Amer. nat., Aug. 1881, v. 15, p. 684.) (Psyche, July-Sept. 1881 [March 1882], v. 3, p. 259.) Arachnologist; b. in 1790; d. 11 May 1881, in Llanrwst, Wales. *G: D.* (2656)

Blackburn, J: Bickerton. [Biog. notice.] (Zool. Anzeiger, 27 Dec. 1881, jahrg. 4, p. 676.) Lepidopterist; b. in 1845, in Liverpool, England; d. 29 Oct. 1881, in Wandsworth, England. *G: D.* (2657)

DE Chaudoir, Maximilian. [Biog. notices.] (Naturae novitates, June 1881, no. 11, p. 95.) (Zool. Anzeiger, 11 July 1881, jahrg. 4, p. 364.) (Entom. m. mag., July 1881, v. 18, p. 43-45.) Coleopterist; b. near Kiew, Russia, in 1818; d. 6 May 1881, in Amélie-les-Bains, Pyrénées-Orientales, France. *G: D.* (2658)

End, Gottfried. [Biog. notice, by E. W. Zöllner.] (Deutscher Bienenfreund, 15 Dec. 1881, jahrg. 17, p. 382.) Apiculturist; b. in 1829, in Vielau, near Zwickau, Saxony; d. 10 Aug. 1881, in Strehlen, near Dresden, Saxony. *G: D.* (2659)

Garneys, W: [Biog. notice.] (Zool. Anzeiger, 27 Dec. 1881, jahrg. 4, p. 676.) Practising physician, entomologist, and conchologist in Repton, England; b. in 1831, in Bungay, England; d. 21 Oct. 1881, in Repton. *G: D.* (2660)

Giebel, Christoph Gottfried Andreas. [Biog. notices.] (Naturae novitates, Nov. 1881, no. 23, p. 192.) (Zool. Anzeiger, 27 Dec. 1881, jahrg. 4, p. 676.) (Entom. Nachrichten, 1 Jan. 1882, jahrg. 8, p. 16.) Prof. of zoology in Halle a. S.; b. in Quedlinburg, Prussia, 13 Sept. 1820; d. in Halle, Prussia, 14 Nov. 1881. *G: D.* (2661)

Hind, Robert. [Biog. notice.] (Zool. Anzeiger, 11 April 1881, jahrg. 4, p. 192.) Lepidopterist; d. 11 March 1881, in York, England. *G: D.* (2662)

Kawall, Johann Heinrich Carl. [Biog. notices.] (Naturae novitates, May 1881, no. 9, p. 79.) (Zool. Anzeiger, 12 Dec. 1881, jahrg. 4, p. 652.)

Pastor in Pussen, Curland, and entomological writer especially on the hymenoptera of Curland; d. in Pussen, 29 Jan. 1881, aged 82 years. *G: D.* (2663)

Kloss, Moritz. [Biog. notice, by E. W. Zöllner.] (Deutscher Bienenfreund, 15 Dec. 1881, jahrg. 17, p. 382.)

Prof. Dr. Kloss, apiculturist and teacher in Dresden; b. 18 March 1818, in Crumpa, near Merseburg, Prussia; d. 1 Sept. 1881, in Dresden, Saxony. A detailed biography is given in the *Sächsischen Schulzeitung*, 16 Oct. 1881. *G: D.* (2664)

Koch, Gabriel. [Biog. notices.] (Entom. Nachrichten, 15 March 1881, jahrg. 7, p. 100.) (Zool. Anzeiger, 28 March 1881, jahrg. 4, p. 168.) (Amer. nat., May 1881, v. 15, p. 422.) (Psyche, July-Sept. 1881 [March 1882], v. 3, p. 259.)

Entomological writer, especially on the geographical distribution of lepidoptera; d. 22 Jan. 1881, in Frankfort-on-the-Main, in his 74th year. *G: D.* (2665)

Putnam, Joseph Duncan. [Biog. sketch, etc.] (Davenport [Iowa] w. gazette, 14 Dec. 1881, y. 41, no. 2005, p. [3], col. 3, 5 cm.; col. 5, 71 cm.)

[Biog. sketch, by H: Edwards.] (Papilio, Dec. 1881, v. 1, p. 223-224.)

[Biog. sketch, by B: Pickman Mann.] (Psyche, Feb. [May] 1882, v. 3, p. 312.)

[Biog. notices.] (Naturae novitates, Feb. 1882, jahrg. 2, no. 3, p. 31.) (Zool. Anzeiger, 20 March 1882, jahrg. 5, p. 148.)

Entomologist, and President of the Davenport academy of natural sciences; b. 18 Oct. 1855, in Jacksonville, Ill.; d. 10 Dec. 1881, in Davenport, Iowa. *G: D.* (2666)

Rolleston, G. [Biog. notices.] (Zool. Anzeiger, 27 June 1881, jahrg. 4, p. 340.) (Naturae novitates, July 1881, no. 13, p. 112.) (Amer. nat., Aug. 1881, v. 15, p. 684.)

Professor of physiology in Oxford, England; d. 16 June 1881, at Oxford, aged 51 years. *G: D.* (2667)

Rosenhauer, Wilhelm Gottlieb. [Biog. notice.] (Entom. Nachrichten, 1 Aug. 1881, jahrg. 7, p. 231-232.)

Professor of zoology in Erlangen, Bavaria; b. 11 Sept. 1813; d. 13 June 1881, in Erlangen. *G: D.* (2668)

DE Rougemont, Philipp. [Biog. notice.] (Zool. Anzeiger, 25 July 1881, jahrg. 4, p. 388.) (Amer. nat., Oct. 1881, v. 15, p. 844.)

Professor of natural history and comparative anatomy in Neuchâtel, Switzerland; d. 27 May 1881. *G: D.* (2669)

Schmid, Andreas. [Biog. notice.] (Zool. Anzeiger, 17 Oct. 1881, jahrg. 4, p. 532.)

Founder and editor of the *Bienenzeitung*; teacher in Eichstätt, Bavaria; d. 2 May 1881, in Eichstätt. *G: D.* (2670)

Wahnes, Wilhelm. [Biog. sketch, by E. Walthier.] (Deutscher Bienenfreund, 1 Nov. 1881, jahrg. 17, p. 335-336.)

Apiculturist; b. 10 Aug. 1826; d. 25 June 1881, in Weimar, Prussia. *G: D.* (2671)

Weston, Walter Philip. [Biog. notices.] (Zool. Anzeiger, 28 March 1881, jahrg. 4, p. 168.) (Entomologist, April 1881, v. 14, p. 96.) (Psyche, July-Sept. 1881 [March 1882], v. 3, p. 259.)

Entomologist; d. 20 Feb. 1881, in Putnam, London, England, in his 29th year. *G: D.* (2672)

BIBLIOGRAPHICAL RECORD.

Arcangeli, G. Osservazioni sulla fioritura del *dracunculus vulgaris* Schott. (Nuovo giorn. bot. ital., 2 Jan. 1879, v. 11, p. 24-41.)

Crit. rev., by H. Müller, entitled "Beobachtungen über *dracunculus*." (Bot. Jahresbericht . . . Just, 1879, v. 7, p. 136-137, 7 cm.)

Dracunculus vulgaris is fertilized by beetles, chiefly *saprinus*, *dermestes* and *oxytelus*. *D. crinitus* is believed to be close-fertilized by *diptera*. The pollination of *calla* is largely effected by beetles (*oxytharea*). *W: T.* (2673)

Bennett, Alfred W. Recent observations on the fertilization of plants. (Pop. sci. rev., Oct. 1873, v. 12, p. 337-347, pl. 102.)

Considers the pollination of a considerable number of flowers from different groups; and the pollen-gathering parts of certain bees and flies. *W: T.* (2674)

Bonnier, Gaston and C: Flahault. Observations sur les modifications des végétaux suivant les conditions physiques du milieu. (Annales des sci. nat., Bot., 1878 [Feb. 1879], ser. 6, v. 7, p. 93-125.)

Abstract, by H. Müller, entitled "Beobachtungen über die Abänderungen der Pflanzen nach den physischen Bedingungen der Umgebung." (Bot. Jahresbericht . . . Just, 1879, v. 7, p. 108, 14 cm.)

As a result of the greater quantity of nectar in high latitudes and altitudes, flowers are more abundantly visited by hymenoptera in Scandinavia and the Alps than in France or Germany at lower altitudes. Honeydew is more abundant in Scandinavia than in France, and is eagerly gathered by hymenoptera (p. 110). The authors do not believe that the greater intensity of color in alpine and sub-arctic flowers is connected with the greater rarity of insects (p. 114), but attribute it solely to the greater quantity of luminous rays received in summer in high altitudes and latitudes (p. 118). *W: T.* (2675)

Croom, H. B. Observations on the genus *sarracenia*; with an account of a new species. (Annals lyceum nat. hist. N.Y., 5 Sept. 1836 [1848], v. 4, p. 95-104.)

Notes the insect-catching property of the species, and refers to earlier papers on the same subject. *W: T.* (2676)